Amendments to the Claims:

Claims 1-10, 13-33, 36-56, and 59-72 are pending. Claims 1-2, 4-5, 8, 10, 13-23

13, 24, 36, 47, 59, and 70 have been amended. Claims 11-12, 34-35, and 57-58 have been

canceled. This listing of claims will replace all prior versions, and listings, of claims in the

application:

Listing of Claims:

1.   (Currently Amended) A computer-implement method of accessing a

portion of ~~recorded~~ multimedia information using a paper document, the method comprising:

receiving by a computer ~~information indicative~~ an identifier from a ~~of~~ selection of

one or more identifiers from a first set of identifiers printed on the paper document, which

indexes the multimedia information;

determining by the computer one or more time ranges, from a plurality of time

ranges, which are temporally consecutive and respectively associated with a plurality of

consecutive portions of the multimedia information, based upon the one or more identifiers, each

time range having a start time and an end time; and

determining by the computer one or more of the portions of the ~~recorded~~

multimedia information corresponding to the one or more time ranges, wherein a portion of

~~recorded~~ multimedia information corresponding to a time range comprises information from the

~~recorded~~ multimedia information occurring between the start time and end time associated with

the time range;

receiving by the computer another identifier of selection of one or more identifiers

from a second set of identifier printed on the paper document;

determining by the computer one or more operations of the multimedia

information based upon the one or more identifiers selected from the second set of identifiers;

and

20   outputting by the computer for play on the computer or a remote computer the

21 portions of the multimedia information corresponding to the at least one time range from the one

22 or more time ranges.

1   2.   (Currently Amended) The method of claim 1 wherein:

2   the ~~recorded~~ multimedia information comprises information of a first type and

3   information of a second type;

4   the one or more time ranges includes a first time range; and

5   determining by the computer portions of the ~~recorded~~ multimedia information

6   comprises determining at least one of information of the first type and information of the second

7   type from the ~~recorded~~ multimedia information occurring between the start time and end time

8   associated with the first time range.

1   3.   (Original) The method of claim 2 wherein the information of the first type

2   is video information and the information of the second type is at least one of audio information

3   and closed-caption text information.

1   4.   (Currently Amended) The method of claim 1 wherein:

2   the one or more identifiers selected from the first set of identifiers comprise a first

3   identifier;

4   determining by the computer the one or more time ranges based upon the one or

5   more identifiers comprises determining a first time and a second time associated with the first

6   identifier; and

7   determining by the computer the portions of the ~~recorded~~ multimedia information

8   corresponding to the one or more time ranges comprises determining a portion of the ~~recorded~~

9   multimedia information occurring between the first time and second time associated with the

10 first identifier.

1   5.   (Currently Amended) The method of claim 1 wherein:

2   the one or more identifiers selected from the first set of identifiers comprise a first

3   identifier and a second identifier;

4   determining <u>by the computer</u> the one or more time ranges based upon the one or

5   more identifiers comprises:

6   determining <u>by the computer</u> a time associated with the first identifier; and

7   determining <u>by the computer</u> a time associated with the second identifier;

8   determining <u>by the computer</u> the portions of the ~~recorded~~ <u>multimedia</u> information

9   corresponding to the one or more time ranges comprises determining a portion of the ~~recorded~~

10   <u>multimedia</u> information occurring between the time associated with the first identifier and the

11   time associated with the second identifier.

1   6.   (Original) The method of claim 5 wherein the first identifier is selected

2   after the second identifier.

1   7.   (Original) The method of claim 5 wherein the first identifier is selected

2   before the second identifier.

1   8.   (Currently Amended) The method of claim 1 wherein:

2   the one or more identifiers selected from the first set of identifiers comprise a first

3   identifier;

4   determining <u>by the computer</u> the one or more time ranges based upon the one or

5   more identifiers comprises:

6   determining <u>by the computer</u> a time associated with the first identifier;

7   determining <u>by the computer</u> a first time range based upon the first

8   identifier, wherein a start time of the first time range is determined by subtracting a first amount

9   of time from the time associated with the first identifier and an end time of the first time range is

10   determined by adding a second amount of time to the time associated with the first identifier; and

11   determining <u>by the computer</u> the portions of the ~~recorded~~ <u>multimedia</u> information

12   corresponding to the one or more time ranges comprises determining a first portion of the

13   ~~recorded~~ multimedia information corresponding to the first time range, wherein the first portion

14   occurs between the start time and end time associated with the first time range.

1   9.   (Original) The method of claim 8 wherein the first amount of time and the

2   second amount of time are user-configurable.

1   10.   (Currently Amended) The method of claim 1 wherein:

2   the identifiers in the first set of identifiers are barcodes; and

3   receiving <u>by the computer</u> information indicative of selection of the one or more

4   identifiers from the first set of identifiers comprises reading at least one barcode from the paper

5   document using a barcode reader.

1   11-12. (Canceled)

1   13.   (Currently Amended) The method of claim [[11]] <u>1</u> wherein performing

2   the at least one operation comprises communicating <u>by the computer</u> the portion of the ~~recorded~~

3   <u>multimedia</u> information corresponding to the at least one time range to a recipient.

1   14.   (Currently Amended) The method of claim 13 wherein communicating

2   the portion of the ~~recorded~~ <u>multimedia</u> information corresponding to the at least one time range

3   to the recipient comprises communicating <u>by the computer</u> the portion of the ~~recorded~~

4   <u>multimedia</u> information via an electronic mail addressed to the recipient.

1   15.   (Currently Amended) The method of claim 13 wherein communicating

2   the portion of the ~~recorded~~ <u>multimedia</u> information corresponding to the at least one time range

3   to the recipient comprises communicating <u>by the computer</u> the portion of the ~~recorded~~

4   <u>multimedia</u> information via facsimile.

1   16.   (Currently Amended) The method of claim 11 wherein performing the at

2   least one operation comprises deleting <u>by the computer</u> the portion of the ~~recorded~~ <u>multimedia</u>

3   information corresponding to the at least one time range from the ~~recorded~~ multimedia

4   information.

1   17.   (Currently Amended) The method of claim 11 wherein performing the at

2   least one operation comprises printing <u>by the computer</u> a representation of the portion of the

3   ~~recorded~~ <u>multimedia</u> information corresponding to the at least one time range on a paper medium

4   to generate a second paper document.

1   18.   (Currently Amended) The method of claim 11 wherein performing the at

2   least one operation comprises storing <u>by the computer</u> the portion of the ~~recorded~~ <u>multimedia</u>

3   information corresponding to the at least one time range.

1   19.   (Currently Amended) The method of claim 1 further comprising:

2   receiving <u>by the computer</u> information indicative of selection of one or more

3   identifiers from a second set of identifiers printed on the paper document;

4   determining <u>by the computer</u> one or more operations based upon the one or more

5   identifiers from the second set of identifiers; and

6   performing at least one operation from the one or more operations on portions of

7   the ~~recorded~~ <u>multimedia</u> information corresponding to the one or more time ranges.

1   20.   (Currently Amended) The method of claim 19 wherein performing the at

2   least one operation comprises ranking <u>by the computer</u> the one or more time ranges based upon

3   contents of the portions of the ~~recorded~~ <u>multimedia</u> information corresponding to the one or

4   more time ranges.

1   21.   (Currently Amended) The method of claim 20 wherein ranking the one or

2   more time ranges comprises:

3   for each time range in the one or more time ranges, determining <u>by the computer</u>

4   relevance of the portion of the ~~recorded~~ <u>multimedia</u> information corresponding to the time range

5   to a user-specified criterion; and

6   ranking <u>by the computer</u> the one or more time ranges based upon the relevance of

7   the portions of the ~~recorded~~ <u>multimedia</u> information corresponding to the time ranges to the user-

8   specified criterion.

1   22.   (Original) The method of claim 21 wherein the user-specified criterion

2   identifies a topic of interest.

1   23.   (Currently Amended) The method of claim 19 wherein performing the at

2   least one operation comprises grouping <u>by the computer</u> the one or more time ranges into one or

3   more groups based upon contents of the portions of the ~~recorded~~ <u>multimedia</u> information

4   corresponding to the one or more time ranges.

1   24.   (Currently Amended) A system comprising:

2   at least one processor;

3   a memory operatively coupled to the processor, the memory storing program

4   instructions that when executed by the processor, cause the processor to:

5   receive ~~information indicative~~ <u>an identifier from a</u> ~~of~~ selection of one or

6   more identifiers from a first set of identifiers printed on the paper document<u>, which</u>

7   <u>indexes the multimedia information</u>;

8   determine one or more time ranges<u>, from a plurality of time ranges, which</u>

9   <u>are temporally consecutive and respectively associated with a plurality of consecutive</u>

10   <u>portions of the multimedia information,</u> based upon the one or more identifiers, each time

11   range having a start time and an end time; and

12   determine <u>one or more of the</u> portions of the ~~recorded~~ <u>multimedia</u>

13   information corresponding to the one or more time ranges, wherein a portion of ~~recorded~~

14   <u>multimedia</u> information corresponding to a time range comprises information from the

15   ~~recorded~~ <u>multimedia</u> information occurring between the start time and end time

16   associated with the time range;

17   receive another identifier of selection of one or more identifiers from a

18   second set of identifiers printed on the paper document;

19   determine one or more operations of the multimedia information based

20   upon the one or more identifiers selected from the second set of identifiers; and

21   output for play on the computer or a remote computer the portions of the

22   multimedia information corresponding to the at least one time range from the one or more

23   time ranges.

1   25.   (Currently Amended) The system of claim 24 wherein:

2   the recorded multimedia information comprises information of a first type and

3   information of a second type;

4   the one or more time ranges includes a first time range; and

5   the program instructions when executed by the processor, cause the processor to

6   determine at least one of information of the first type and information of the second type from

7   the recorded multimedia information occurring between the start time and end time associated

8   with the first time range.

1   26.   (Original) The system of claim 25 wherein the information of the first

2   type is video information and the information of the second type is at least one of audio

3   information and closed-caption text information.

1   27.   (Currently Amended) The system of claim 24 wherein:

2   the one or more identifiers selected from the first set of identifiers comprise a first

3   identifier; and

4   the program instructions when executed by the processor, cause the processor to:

5   determine a first time and a second time associated with the first identifier, and determine a

6   portion of the recorded multimedia information occurring between the first time and second time

7   associated with the first identifier.

1   28.   (Currently Amended) The system of claim 24 wherein:

2   the one or more identifiers selected from the first set of identifiers comprise a first

3   identifier and a second identifier; and

4   the program instructions when executed by the processor, cause the processor to:

5   determine a time associated with the first identifier, determining a time associated with the

6   second identifier, and determine a portion of the ~~recorded~~ multimedia information occurring

7   between the time associated with the first identifier and the time associated with the second

8   identifier.

1   29.   (Original) The system of claim 28 wherein the first identifier is selected

2   after the second identifier.

1   30.   (Original) The system of claim 28 wherein the first identifier is selected

2   before the second identifier.

1   31.   (Currently Amended) The system of claim 24 wherein:

2   the one or more identifiers selected from the first set of identifiers comprise a first

3   identifier;

4   the program instructions when executed by the processor, cause the processor to:

5   determine a time associated with the first identifier, determine a first time range based upon the

6   first identifier, wherein a start time of the first time range is determined by subtracting a first

7   amount of time from the time associated with the first identifier and an end time of the first time

8   range is determined by adding a second amount of time to the time associated with the first

9   identifier, and determine a first portion of the ~~recorded~~ multimedia information corresponding to

10   the first time range, wherein the first portion occurs between the start time and end time

11   associated with the first time range.

1   32.   (Original) The system of claim 31 wherein the first amount of time and

2   the second amount of time are user-configurable.

1   33.   (Original) The system of claim 24 further comprising:

2   a barcode reader configured to read the one or more identifiers from the first set

3   of identifiers from the paper document.

1   34-35. (Canceled)

1   36.   (Currently Amended) The system of claim [[34]] 24 wherein the program

2   instructions when executed by the processor, cause the processor to communicate the portion of

3   the recorded multimedia information corresponding to the at least one time range to a recipient.

1   37.   (Currently Amended) The system of claim 36 wherein the program

2   instructions when executed by the processor, cause the processor to send the portion of the

3   recorded multimedia information to the recipient via an electronic mail.

1   38.   (Currently Amended) The system of claim 36 wherein the program

2   instructions when executed by the processor, cause the processor to communicate the portion of

3   the recorded multimedia information via facsimile.

1   39.   (Currently Amended) The system of claim 34 wherein the program

2   instructions when executed by the processor, cause the processor to delete the portion of the

3   recorded multimedia information corresponding to the at least one time range from the recorded

4   multimedia information.

1   40.   (Currently Amended) The system of claim 34 wherein the program

2   instructions when executed by the processor, cause the processor to print a representation of the

3   portion of the recorded multimedia information corresponding to the at least one time range on a

4   paper medium to generate a second paper document.

1   41.   (Currently Amended) The system of claim 34 wherein the program

2   instructions when executed by the processor, cause the processor to store the portion of the

3   recorded multimedia information corresponding to the at least one time range.

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1   42.   (Currently Amended) The system of claim 24 wherein the program

2   instructions when executed by the processor, cause the processor to: receive information

3   indicative of selection of one or more identifiers from a second set of identifiers printed on the

4   paper document, determine one or more operations based upon the one or more identifiers from

5   the second set of identifiers, and perform at least one operation from the one or more operations

6   on portions of the ~~recorded~~ multimedia information corresponding to the one or more time

7   ranges.

1   43.   (Currently Amended) The system of claim 42 wherein the program

2   instructions when executed by the processor, cause the processor to rank the one or more time

3   ranges based upon contents of the portions of the ~~recorded~~ multimedia information

4   corresponding to the one or more time ranges.

1   44.   (Currently Amended) The system of claim 43 wherein the program

2   instructions when executed by the processor, cause the processor to: for each time range in the

3   one or more time ranges, determine relevance of the portion of the ~~recorded~~ multimedia

4   information corresponding to the time range to a user-specified criterion, and rank the one or

5   more time ranges based upon the relevance of the portions of the ~~recorded~~ multimedia

6   information corresponding to the time ranges to the user-specified criterion.

1   45.   (Original) The system of claim 44 wherein the user-specified criterion

2   identifies a topic of interest.

1   46.   (Currently Amended) The system of claim 42 wherein the program

2   instructions when executed by the processor, cause the processor to group the one or more time

3   ranges into one or more groups based upon contents of the portions of the ~~recorded~~ multimedia

4   information corresponding to the one or more time ranges.

1   47.   (Currently Amended) A computer program product for accessing a

2   portion of ~~recorded~~ <u>multimedia</u> information using a paper document, the computer program

3   product comprising:

4   a computer-readable storage medium having stored thereon computer program

5   code, the computer program code comprising:

6   code for receiving <u>by a computer</u> ~~information indicative~~ <u>an identifier from</u>

7   <u>a</u> ~~of~~ selection of one or more identifiers from a first set of identifiers printed on the paper

8   document<u>, which indexes the multimedia information</u>;

9   code for determining <u>by the computer</u> one or more time ranges<u>, from a</u>

10   <u>plurality of time ranges, which are temporally consecutive and respectively associated</u>

11   <u>with a plurality of consecutive portions of the multimedia information,</u> based upon the

12   one or more identifiers, each time range having a start time and an end time; and

13   code for determining <u>by the computer one or more of the</u> portions of the

14   ~~recorded~~ <u>multimedia</u> information corresponding to the one or more time ranges, wherein

15   a portion of ~~recorded~~ <u>multimedia</u> information corresponding to a time range comprises

16   information from the ~~recorded~~ <u>multimedia</u> information occurring between the start time

17   and end time associated with the time range;

18   <u>code for receiving by the computer another identifier of selection of one or</u>

19   <u>more identifiers from a second set of identifiers printed on the paper document;</u>

20   <u>code for determining by the computer one or more operations of the</u>

21   <u>multimedia information based upon the one or more identifiers selected from the second</u>

22   <u>set of identifiers; and</u>

23   <u>code for outputting by the computer for play on the computer or a remote</u>

24   <u>computer the portions of the multimedia information corresponding to the at least one</u>

25   <u>time range from the one or more time ranges</u>.

1   48.   (Currently Amended) The computer program product of claim 47

2   wherein:

3   the ~~recorded~~ multimedia information comprises information of a first type and

4   information of a second type;

5   the one or more time ranges includes a first time range; and

6   the code for determining portions of the ~~recorded~~ multimedia information

7   comprises code for determining at least one of information of the first type and information of

8   the second type from the ~~recorded~~ multimedia information occurring between the start time and

9   end time associated with the first time range.

1   49.   (Original) The computer program product of claim 48 wherein the

2   information of the first type is video information and the information of the second type is at

3   least one of audio information and closed-caption text information.

1   50.   (Currently Amended) The computer program product of claim 47

2   wherein:

3   the one or more identifiers selected from the first set of identifiers comprise a first

4   identifier;

5   the code for determining the one or more time ranges based upon the one or more

6   identifiers comprises code for determining a first time and a second time associated with the first

7   identifier; and

8   the code for determining the portions of the ~~recorded~~ multimedia information

9   corresponding to the one or more time ranges comprises code for determining a portion of the

10   ~~recorded~~ multimedia information occurring between the first time and second time associated

11   with the first identifier.

1   51.   (Currently Amended) The computer program product of claim 47

2   wherein:

3   the one or more identifiers selected from the first set of identifiers comprise a first

4   identifier and a second identifier;

5   the code for determining the one or more time ranges based upon the one or more

6 identifiers comprises:

7   code for determining a time associated with the first identifier; and

8   code for determining a time associated with the second identifier;

9   the code for determining the portions of the ~~recorded~~ multimedia information

10 corresponding to the one or more time ranges comprises code for determining a portion of the

11 ~~recorded~~ multimedia information occurring between the time associated with the first identifier

12 and the time associated with the second identifier.

1   52. (Original) The computer program product of claim 51 wherein the first

2 identifier is selected after the second identifier.

1   53. (Original) The computer program product of claim 51 wherein the first

2 identifier is selected before the second identifier.

1   54. (Currently Amended) The computer program product of claim 47

2 wherein:

3   the one or more identifiers selected from the first set of identifiers comprise a first

4 identifier;

5   the code for determining the one or more time ranges based upon the one or more

6 identifiers comprises:

7   code for determining a time associated with the first identifier;

8   code for determining a first time range based upon the first identifier,

9 wherein a start time of the first time range is determined by subtracting a first amount of time

10 from the time associated with the first identifier and an end time of the first time range is

11 determined by adding a second amount of time to the time associated with the first identifier; and

12   the code for determining the portions of the ~~recorded~~ multimedia information

13 corresponding to the one or more time ranges comprises code for determining a first portion of

14   the ~~recorded~~ multimedia information corresponding to the first time range, wherein the first

15   portion occurs between the start time and end time associated with the first time range.

1   55.   (Original) The computer program product of claim 54 wherein the first

2   amount of time and the second amount of time are user-configurable.

1   56.   (Original) The computer program product of claim 47 wherein:

2   the identifiers in the first set of identifiers are barcodes; and

3   the code for receiving information indicative of selection of the one or more

4   identifiers from the first set of identifiers comprises code for reading at least one barcode from

5   the paper document using a barcode reader.

1   57-58. (Canceled)

1   59.   (Currently Amended) The computer program product of claim [[57]] 47

2   wherein the code for performing the at least one operation comprises code for communicating

3   the portion of the ~~recorded~~ multimedia information corresponding to the at least one time range

4   to a recipient.

1   60.   (Currently Amended) The computer program product of claim 59 wherein

2   the code for communicating the portion of the ~~recorded~~ multimedia information corresponding to

3   the at least one time range to the recipient comprises code for communicating the portion of the

4   ~~recorded~~ multimedia information via an electronic mail addressed to the recipient.

1   61.   (Currently Amended) The computer program product of claim 59 wherein

2   the code for communicating the portion of the ~~recorded~~ multimedia information corresponding to

3   the at least one time range to the recipient comprises code for communicating the portion of the

4   ~~recorded~~ multimedia information via facsimile.

1   62.   (Currently Amended) The computer program product of claim 57 wherein

2   the code for performing the at least one operation comprises code for deleting the portion of the

3   ~~recorded~~ multimedia information corresponding to the at least one time range from the ~~recorded~~

4   multimedia information.

1   63.   (Currently Amended) The computer program product of claim 57 wherein

2   the code for performing the at least one operation comprises code for printing a representation of

3   the portion of the ~~recorded~~ multimedia information corresponding to the at least one time range

4   on a paper medium to generate a second paper document.

1   64.   (Currently Amended) The computer program product of claim 57 wherein

2   the code for performing the at least one operation comprises code for storing the portion of the

3   ~~recorded~~ multimedia information corresponding to the at least one time range.

1   65.   (Currently Amended) The computer program product of claim 47 further

2   comprising:

3   code for receiving information indicative of selection of one or more identifiers

4   from a second set of identifiers printed on the paper document;

5   code for determining one or more operations based upon the one or more

6   identifiers from the second set of identifiers; and

7   code for performing at least one operation from the one or more operations on

8   portions of the ~~recorded~~ multimedia information corresponding to the one or more time ranges.

1   66.   (Currently Amended) The computer program product of claim 65 wherein

2   the code for performing the at least one operation comprises code for ranking the one or more

3   time ranges based upon contents of the portions of the ~~recorded~~ multimedia information

4   corresponding to the one or more time ranges.

1   67.   (Currently Amended) The computer program product of claim 66 wherein

2   the code for ranking the one or more time ranges comprises:

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3   code for determining, for each time range in the one or more time ranges,

4   relevance of the portion of the ~~recorded~~ multimedia information corresponding to the time range

5   to a user-specified criterion; and

6   code for ranking the one or more time ranges based upon the relevance of the

7   portions of the ~~recorded~~ multimedia information corresponding to the time ranges to the user-

8   specified criterion.

1   68.   (Original) The computer program product of claim 67 wherein the user-

2   specified criterion identifies a topic of interest.

1   69.   (Currently Amended) The computer program product of claim 65 wherein

2   the code for performing the at least one operation comprises code for grouping the one or more

3   time ranges into one or more groups based upon contents of the portions of the ~~recorded~~

4   multimedia information corresponding to the one or more time ranges.

1   70.   (Currently Amended) The method of claim 1 further comprising:

2   displaying on a user device at least one of the portions of the ~~recorded~~ multimedia

3   information corresponding to the one or more time ranges.

1   71.   (Previously Presented) The system of claim 24 wherein at least one of the

2   portions of the ~~recorded~~ multimedia information corresponding to the one or more time ranges

3   are displayed.

1   72.   (Previously Presented) The computer program product of claim 47 further

2   comprising:

3   code for displaying at least one of the portions of the ~~recorded~~ multimedia

4   information corresponding to the one or more time ranges.